



ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO: ISO/IEC 17025:2005

ANAB 17025:2005 Forensic Science Calibration Laboratories
Accreditation Requirements:2017

Indiana State Department of Toxicology Breath Alcohol Calibration

550 West 16th Street
Indianapolis, IN 46202

FORENSIC CALIBRATION

Valid to: August 31, 2023

Certificate Number: FC-0012

Discipline – Toxicology

Component Calibrated ¹	Calibration Method	Breath Alcohol Instrument Reporting Range	Expanded Uncertainty of Measurement ²	Measurement Traceability
Electrochemical Oxidation (Fuel Cell) ^{3,4}	Breath Test Program Methods	0.006-0.440 g of ethanol/210 L	0.020 ± 0.001 g of ethanol/210 L 0.038 ± 0.001 g of ethanol/210 L 0.082 ± 0.003 g of ethanol/210 L 0.150 ± 0.005 g of ethanol/210 L 0.300 ± 0.010 g of ethanol/210 L 99%, k=3.25	Certified Reference Material Manometer

Note 1: Component calibrated indicates the breath alcohol measuring instrument detector(s) used for measuring breath alcohol. Detector(s) used for qualitative purposes will not be listed on the Scope of Accreditation.

Note 2: The expanded uncertainty is expressed at the stated coverage probability (e.g., 95.45%) and coverage factor (e.g., k = 2). The actual measurement uncertainty reported on a certificate of calibration will be equal to or greater than the expanded uncertainty of measurement stated on this scope.

Note 3: Field Calibration: A field calibration is one performed at a location not under the control of the calibration laboratory. Since field conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected in the field than what is reported on the scope of accreditation.

Note 4: This instrument also employs Infrared Spectrometry for qualitative purposes.

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